IFW

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Confirmation No. 6090

Hans-Otto SCHECK   Group Art Unit: 2681

Application No.: 10/629,914   Examiner: Unassigned

Filed: July 30, 2003   Attorney Dkt. No.: 60282.00111

For: DIGITAL IMBALANCE CORRECTION METHOD AND DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450   October 5, 2004

Sir:

  Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date or the date of filing a CPA, OR (b) before the mailing date of a first Office Action on the merits in the present application, or (c) accompanies a Request for Continued Examination. No certification or fee is required.

☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

  ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).

☐   b.   I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

☐   c.   A check in the amount of $180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Counsel's Deposit Account No. 50-2222 as needed to ensure consideration of the disclosed information.
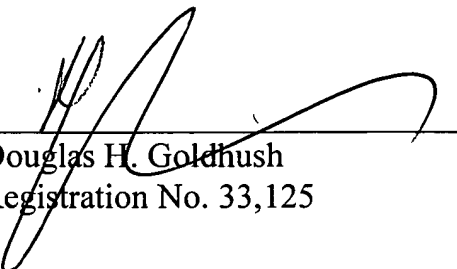
☐   3.   This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of $180.00 in payment of the petition fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Counsel's Deposit Account No. 50-2222 as needed to ensure consideration of the disclosed information.

☐   a.   I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).

☐   b.   I hereby certify that no item of information in this Information Disclosure Statement was cited in any communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

In the event that there are any fees due with respect to the filing of this paper, please charge Counsel's Deposit Account No. 50-2222.

Respectfully submitted,

Douglas H. Goldhush
Registration No. 33,125

Customer Number 32294
SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Tysons Corner, Virginia 22182-2700
Telephone: 703-720-7800
Fax: 703-720-7802

DHG:lhr

Enclosures: PTO-1449 Form; 12 References

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 60282.00111	SERIAL NO. 10/629,914
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Hans-Otto SCHECK	
(Use several sheets if necessary)		FILING DATE July 30, 2003	GROUP 2681

(OIPE stamp: OCT 0 5 2004)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	6,044,112	March 28, 2000	Koslov			
	AB	6,075,980	June 13, 2000	Scheck			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO PART.
	AC	EP 0 305 603 A1	March 8, 1989	European			X
	AD	EP 0 875 988 A2	November 4, 1998	European			X
	AE	EP 0 875 988 A3	November 4, 1998	European			X
	AF	EP 0 875 988 B1	May 12, 2004	European			X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AG	Behbahani, et al.; "*A Broad-Band Tunable CMOS Channel-Select Filter For A Low-IF Wireless Receiver*", IEEE Journal of Solid-State Circuits, Vol. 35, No. 4, April 2000, pp. 476-489
	AH	Coersmeier, et al.; "*High Precision Analog Front-End Transceiver Architecture for Wireless Local Area Network*", 6th International OFDM-Workshop (InOWo) 2001, Hamburg, pp. 29-1 -29-4
	AI	Crols, et al.; "*A Single-Ship 900 MHz CMOS Receiver Front-End With A High Performance Low-IF Topology*", IEEE Journal of Solid-State Circuits, Vol. 30, No. 12, December 1995, pp.-1483-1492
	AJ	Valkama, et al.; "*Advanced DSP for I/Q Imbalance Compensation in a Low-IF Receiver*", Telecommunications Laboratory, Tampere, Finland, pp. 1-5
	AK	Valkama, et al.; "*Advanced I/Q Signal Processing for Wideband Receivers: Models and Algorithms*", Tampere University of Technology Publications, pp. 1-73
	AL	Valkama, et al.; "*On the Performance of Interference Canceller Based I/Q Imbalance Compensation*", pp. 1-5

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.